**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

Claim 1 (previously presented): A CVD process for producing preforms for dispersion shifted optical fibers or dispersion compensating optical fibers having a core comprising a central portion, an inner cladding, a ring, and an outer cladding, by depositing layers, in which process the layers of said preform corresponding to said inner cladding and to said ring of said optical fiber have a phosphorus content in the range of 0.03 wt% to 0.1 wt%, wherein said CVD process is a furnace chemical vapor deposition (FCVD) process.

Claim 2 (canceled).

Claim 3 (original): The optical fiber preform production process claimed in claim 1 wherein said layers of said preform corresponding to said outer cladding of said optical fiber have a phosphorus content in the same range of values as said layers of said preform corresponding to said inner cladding and to said ring of said optical fiber.

Claim 4 (original): The optical fiber preform production process claimed in claim 1 wherein said layers are deposited at a pressure within 20% of atmospheric pressure.

Claim 5 (currently amended): The optical fiber preform production process claimed in claim 1, ~~when~~ wherein said optical fiber is intended to be integrated into a submarine cable.

Claim 6 (new): A CVD process for producing preforms for dispersion shifted optical fibers or dispersion compensating optical fibers having a core comprising a central portion, an inner cladding, a ring, and an outer cladding, by depositing layers, in which process the layers of said preform corresponding to said inner cladding and to said ring of said optical fiber have a phosphorus content in the range of 0.03 wt% to 0.1 wt%, wherein said CVD process is a furnace chemical vapor deposition (FCVD) process,

wherein said layers of said preform corresponding to said outer cladding of said optical fiber have a phosphorus content in the same range of values as said layers of said preform corresponding to said inner cladding and to said ring of said optical fiber, and

wherein said layers are deposited at a pressure within 20% of atmospheric pressure.

Claim 7 (new): A CVD process for producing preforms for dispersion shifted optical fibers or dispersion compensating optical fibers having a core comprising a central portion, an inner cladding, a ring, and an outer cladding, by depositing layers, in which process the layers of said preform corresponding to said inner cladding and to said ring of said optical fiber have a phosphorus content in the range of 0.03 wt% to 0.1 wt%, wherein said CVD process is a furnace chemical vapor deposition (FCVD) process,

wherein said layers of said preform corresponding to said outer cladding of said optical fiber have a phosphorus content in the same range of values as said layers of said preform corresponding to said inner cladding and to said ring of said optical fiber,

wherein said layers are deposited at a pressure within 20% of atmospheric pressure and

wherein said optical fiber is intended to be integrated into a submarine cable.

Claim 8 (new): A CVD process for producing preforms for dispersion shifted optical fibers or dispersion compensating optical fibers having a core comprising a central portion, an inner cladding, a ring, and an outer cladding, by depositing layers, in which process the layers of said preform corresponding to said inner cladding and to said have a phosphorus content in the range of 0.03 wt% to 0.1 wt% wherein said CVD process is a furnace chemical vapor deposition (FCVD) process.

Claim 9 (new): The CVD process of claim 8, wherein the layer of said perform corresponding to said ring has a phosphorous content in the range of 0.03 wt% to 0.1 wt%.